

Shade's Abyss

Suite: Elemental Spirits

by Arya Akhavan (September 2012)

Angles for R.I. = 1.540

50 + 7 girdles = 57 facets

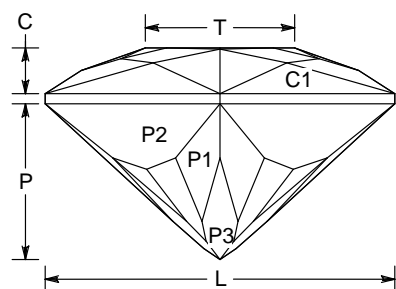
1-fold, mirror-image symmetry

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$L/W = 1.172$ $T/W = 0.500$ $U/W = 0.374$

$P/W = 0.522$ $C/W = 0.153$

$Vol./W^3 = 0.265$



PAVILION

P1	43.20°	03-09-15-21- 27-33-39-45- 51-57-63-69- 75-81-87-93	Cut to centrepoint.
G1	90.00°	12-84	Set stone size.
G2	90.00°	27-33-63-69	Cut level girdle.
G3	90.00°	48	Cut level girdle.
P2	73.10°	12-48-84	Meet P1, {G1, G3} (level girdle)
P3	41.20°	96-18-42-54- 78	Meet P1, {G1, G3}

CROWN

C1	46.54°	12-84	Set girdle width.
C2	34.44°	27-69	Meet G1, G2, C1 (level girdle)
C3	29.68°	33-63	Meet G2, C2 (level girdle)
C4	40.57°	48	Meet G2, G3, C3 (level girdle)
C5	34.35°	10-14-82-86	Meet G1, C1
C6	33.43°	47-49	Meet G2, G3, C3, C4
C7	30.72°	46-50	Meet G2, G3, C3, C4, C6
C8	28.07°	30-66	Meet G2, C2, C3
C9	22.47°	13-83	Meet C1, C5
C10	18.09°	22-74	Meet C2, C5, C8; C3, C7, C8 (cluster)
C11	14.74°	20-76	Meet cluster; C5, C9, C10
C12	1.84°	06-90	Meet C5, C9
T	0.00°	Table	Meet cluster; C6, C7; C9, C11, C12

What more fitting stone for the spirit of night, than a somewhat bat-shaped pattern for dark grey smoky quartz?

The pavilion is very straightforward; the crown has two mirror meets that may make things a bit complicated, but it should be doable. Works in any material from feldspar to CZ (RI = 1.52 - 2.16) with no changes.

Suggested size = 10-15 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Shade's Abyss.gem